CLAIMS

I CLAIM:

1. A lawn sprinkler comprising:

a housing of a cylindrical construction and provided with a receiving space, a bottom cover to seal off a bottom end thereof, and a top cover to seal off a top end thereof, said bottom cover being provided with a through hole, said top cover being provided with a through port which is provided in a periphery with a plurality of stop edges arranged at intervals, said top cover being further provided with a slot and a plurality of retaining slots arranged at intervals for retaining an angle locating block;

a stationary portion fastened at a top with said bottom cover of said housing and provided in an interior with a water duct in communication with said through hole of said bottom cover of said housing, said stationary portion further provided with a tapered rod which is used to locate the lawn sprinkler by inserting said tapered rod into a lawn soil;

a transmission mechanism mounted in said space of said housing and formed of an upper seat, a lower seat, and a deceleration gear set located between said upper seat and said lower seat such that said deceleration gear set is actuated by a lobed wheel which is located in a guide slot of said lower seat, and that said deceleration gear set actuates indirectly a threaded tube of said upper seat, with

said threaded tube extending through said through port of said top cover of said housing, said guide slot being provided with a distribution slot which is provided with a first water admission hole and a second water admission hole, said distribution slot further provided therein with a revolving guide plate such that an admission port of said distribution slot is in communication with said through hole of said bottom cover, said guide plate being provided with an arcuate elastic plate which is provided with an actuation projection being confined in a confinement through hole of said upper seat and extending into said slot of said top cover, said threaded tube being provided in a periphery with a plurality of protuberances for stopping said stop edges of said top cover, thereby confining a clockwise rotational angle and a counterclockwise rotational angle of said top cover;

a rotary disk mounted on said top cover of said housing and provided with a through hole for receiving said threaded tube of said upper seat, said rotary disk further provided in a periphery with a projection for pushing said angle locating block of said top cover, said rotary disk further provided with a protruded seat which is provided with a shaft hole;

an adjustable nozzle mounted on said rotary disk such that a bottom of said nozzle is fastened with said threaded tube, said nozzle being provided at a top thereof with a plurality of spray holes, and in a midsection thereof with a movable joint for adjusting an inclination of said nozzle, said movable joint being provided with a pin; and

an adjustable obstruction cover mounted over said nozzle and provided with an obstruction plate for obstructing said spray holes of said nozzle, said obstruction plate being provided with two lugs which are provided with a pin hole for receiving one of two ends of said horizontal pin whereby one of said two lugs is provided with an arcuate slot, said pin hole serving as a circle center of said arcuate slot, said arcute slot being provided in a bottom wall with a rack and a locating member having a retaining section which is received in said shaft hole of said protruded seat, said locating member being provided with a knob having an outer diameter greater than said arcuate slot, said knob being provided with a gear which is engaged with said rack of said arcuate slot, said knob being used to adjust an inclination of said obstruction cover.

2. The lawn sprinkler as defined in claim 1, wherein said projection of said rotary disk swivels upward to relieve an act of said angle locating block of said top cover.

3.The lawn sprinkler as defined in claim 1, wherein said spray holes of said nozzle are arranged in a pattern that said spray holes revolve in multiple steps.